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LEIGHTON JR ALVAH T(54) CONTACT LENS FOR ANIMAL AND ITS
MANUFACTURE

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(57) Abstract:

PURPOSE: To prevent the contact lens from sliding off the eye by forming a curved center part and a peripheral part which has a curved surface reverse to it.

CONSTITUTION: The contact lens 10 consists of the center part 12 and peripheral part 14, and the curved surface of the peripheral part 14 and the curved surface of the center part 12 are reverse to each other. The diameter of the lens 10 between its edges 22 is so selected that when the lens 10 is at a proper position on the eye 28, the lens comes into contact with the tissue of the eye at the annular part 15 of an internal surface 20 arranged radially outside the part 45 45 where the haw 44 and sclera 38 are combined. Further, the reverse curved surface shape of the peripheral part 14 forms a tangential border surface between the annular part 15 of the internal surface 20 and the annular part 48 of the eye 28. Consequently, the edge 22 is sufficiently below the outside eyelid 42 to reduce the possibility that the contact lens 10 falls off the eye 28.

